INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY Identified at the bottom of this page

I. IDENTIFICATION OF THE MICROORGANISM			
Identification	n reference given by the DEPOSITOR;	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13653	
IL SCIENT	IFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DES	IGNATION	
The microor	The microorganism identified under L above was accompanied by: (X) a scientific description		
	(X) a proposed taxonomic designation		
(Mark with a	s cross where applicable).		
iii. Recéip	T AND ACCEPTANCE		
	This International Depositury Authority accepts the microorganism identified under 1, above, which was received by it on 2000-08-16 (Date of the original deposit).		
IV. RECEIP	IV, RECEIPT OF REQUEST FOR CONVERSION		
The microorganism identified under I above was received by this international Depository Authority on (date of original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).			
V. INTERNATIONAL DEPOSITARY AUTHORITY			
Name; Address;	DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Mescheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): Date: 2000-08-17	

¹ Where Rule 6.4 (d) applies, such date is the date on which the status of international depositary authority was acquired.

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

VIABILITY STATEMENT
issued pursuant to Rule 10.2 by the
INTERNATIONAL DEPOSITARY AUTHORITY
identified at the bottom of this page

I. DEPOSITOR		II. IDENTIFICATION OF THE MICROORGANISM	
	F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13653 Date of the deposit of the transfer!: 2000-08-16	
III. VIABII	LITY STATEMENT		
On that day	ty of the microorganism identified under II above was tested on the said microorganism was (3) viable (4) no longer viable	2000-08-16 4.	
IV. COND	V. CONDITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PERFORMED'		
V. INTERN	NATIONAL DEPOSITARY AUTHORITY		
Name: Address:	DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GMbH Mascheroder Weg 1b D-38124 Briunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): Date: 2000-08-17	

Indicate the date of original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit or date of the transfer).

In the cases referred to in Rule 10.2(a) (ii) and (iii), refer to the most recent viability test.

Mark with a cross the applicable box.

Fill in if the information has been requested and if the results of the test were negative.

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

I. IDENTI	FICATION OF THE MICROORGANISM	
Identificati	on reference given by the DEPOSITOR:	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13652
II. SCIEN	TIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DE	SIGNATION
The micro	organism identified under I. above was accompanied by:	
	(※) a scientific description(※) a proposed taxonomic designation	
(Mark with	a cross where applicable).	
III. RECEI	PT AND ACCEPTANCE	
	ational Depositary Authority accepts the microorganism identified e original deposit).	under I. above, which was received by it on 2000-08-16
IV. RECEI	PT OF REQUEST FOR CONVERSION	
	organism identified under I above was received by this International est to convert the original deposit to a deposit under the Budapest tion).	
V. INTERI	NATIONAL DEPOSITARY AUTHORITY	
Name.	D\$MZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):
Address:	Mascheroder Weg 1b D-38124 Braunschweig	U. Weils
		Date: 2000-08-17

¹ Where Rule 6.4 (d) applies, such date is the date on which the status of international depositary authority was acquired.

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

VIABILITY STATEMENT
issued pursuant to Rule 10.2 by the
INTERNATIONAL DEPOSITARY AUTHORITY
identified at the bottom of this page

I. DEPOSITOR		II. IDENTIFICATION OF THE MICROORGANISM	
	F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13652 Date of the deposit or the transfer': 2000-08-16	
ut. Viabii	LITY STATEMENT		
On that dat	The visibility of the microorganism identified under 11 above was tested on 2000-08-16 ⁻² . On that date, the said microorganism was (30)' visible ()' no longer visible		
гу. сонді	IV. CONDITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PERFORMED'		
V přepa	ATOMAL DESCRIPTION AND ADDRESS OF THE PROPERTY ADDRESS OF THE		
V. IN I BROW	ATIONAL DEPOSITARY AUTHORITY	·	
Nume: Address:	DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):	
		Date: 2000-08-17	

Indicate the date of original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit or date of the transfer).

In the cases referred to in Rule 10.2(a) (ii) and (iii), refer to the most recent visibility test.

Mack with a cross the applicable box.

Fill in if the information has been requested and if the results of the test were negative.

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

I. IDENTII	I. IDENTIFICATION OF THE MICROORGANISM		
Identificati FJ+21	ion reference given by the DEPOSITOR:	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13651	
II. SCIEN	TIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DES	SIGNATION	
	The microorganism identified under I, above was accompanied by: (X) a scientific description (X) a proposed taxonomic designation (Mark with a cross where applicable).		
III. RECEI	PT AND ACCEPTANCE		
This interni (Date of the	ational Depositary Authority accepts the microorganism identified e original deposity.	under I above, which was received by it on 2000-08-16	
IV. RECEI	IV. RECEIPT OF REQUEST FOR CONVERSION		
The microo and a reque for convers	organism identified under I above was received by this International est to convert the original deposit to a deposit under the Budapest film).	I Depositary Authority on (date of original deposit) Freaty was received by it on (date of receipt of request	
V. INTERN	V. INTERNATIONAL DEPOSITARY AUTHORITY		
Name: Address:	DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): Date: 2000-08-17	

^{1.} Where Rule 6.4 (d) applies, such date is the date on which the status of international depositary authority was acquired

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

> VIABILITY STATEMENT issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

I. DEPOSITOR		II. IDENTIFICATION OF THE MICROORGANISM
	F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13651 Date of the deposit of the transfer': 2000-08-16
lu. Viabii	LITY STATEMENT	
On that dat	ty of the microorganism identified under II above was tested on 2 to, the said microorganism was (i) visble (i) no longer viable	000-08-16 3.
	THON'S UNDER WHICH THE VIABILITY TEST HAS BEEN PE	RFORMED'
v. (ntern	NATIONAL DEPOSITARY AUTHORITY	
Name:	DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): Date: 2000-08-17

Indicate the date of original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit or date of the transfer).

In the cases referred to in Rule 10.2(a) (ii) and (iii), refer to the most recent viability test.

Mark with a cross the applicable box.

Fill in if the information has been requested and if the results of the test were negative.

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

I. IDENTIFICATION OF THE MICROORGANISM			
Identification	reference given by the DEPOSITOR:	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13650	
II. SCIENTIF	TO DESCRIPTION AND/OR PROPOSED TAXONOMIC DES	IGNATION	
The microorge	nism identified under I. above was accompanied by:		
((X) a scientific description (X) a proposed taxonomic designation (Mark with a cross where applicable).		
III. RECEIPT	AND ACCEPTANCE		
	This International Depositary Authority accepts the microorganism identified under I above, which was received by it on 2000-08-16 (Date of the original deposit) ¹ ,		
IV. RECEIPT	OF REQUEST FOR CONVERSION		
The microorganism identified under I above was received by this International Depositary Authority on (date of original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).			
V. INTERNATIONAL DEPOSITARY AUTHORITY			
Address: N	OSMZ-DEUTSCHE SAMMLUNG VON AIKROORGANISMEN UND ZELLKULTUREN GmbH Auscheroder Weg 1b O-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): Date: 2000-08-17	

Where Rule 6.4 (d) applies, such date is the date on which the status of international depositary authority was acquired.

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

VIABILITY STATEMENT issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

I. DEPOSITOR		IL IDENTIFICATION OF THE MICROORGANISM
	F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13650 Date of the deposit or the transfer!: 2000-08-16
IU. VIABI	LITY STATEMENT	
On that dai (X	by of the microorganism identified under it above was tested on 2 te, the said microorganism was 3 viable 3 no longer viable	000-08-16 2.
(V. COND	ITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PE	RFORMED'
V. INTERN	NATIONAL DEPOSITARY AUTHORITY	
Name: Address:	DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Mascheroder Weg 1b D-38124 Brounschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): Date: 2000-08-17

Indicate the date of original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit to date of the bransfer).

In the cases referred to in Rule 10.2(a) (ii) and (iii), refer to the most recent viability test.

Mark with a cross the applicable box.

Fill in If the information has been requested and if the results of the test were negative.

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

I. IDENTI	FICATION OF THE MICROORGANISM		
Identificat	ion reference given by the DEPOSITOR:	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13649	
II. SCIEN	ITIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DE	SIGNATION	
The micro	organism identified under I. above was accompanied by: (X) a scientific description		
(Mark with	(X) a proposed taxonomic designation (Mark with a cross where applicable).		
III. RECEI	PT AND ACCEPTANCE		
This Intern (Date of th	national Depositary Authority accepts the microorganism identified to original deposit).	under I. above, which was received by it on 2000-08-16	
IV. RECEI	PT OF REQUEST FOR CONVERSION		
The micros and a required for conven	organism identified under I above was received by this Internation est to convert the original deposit to a deposit under the Budapest tion).	al Depositary Authority on (date of original deposit) Treaty was received by it on (date of receipt of request	
V. INTERI	NATIONAL DEPOSITARY AUTHORITY		
Name: Address;	DSMZ-DBUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):	
		Date: 2000-08-17	

Where Rule 6.4 (d) applies, such date is the date on which the status of international depositary authority was acquired.

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel

VIABILITY STATEMENT
issued pursuant to Rule 10.2 by the
INTERNATIONAL DEPOSITARY AUTHORITY
identified at the bottom of this page

I. DEPOSITOR		IL IDENTIFICATION OF THE MICROORGANISM	
Name: Address:	F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 CH-4070 Basel	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13649 Date of the deposit or the transfer': 2000-08-16	
III. VIABI	LITY STATEMENT		
On that da	ity of the microorganism identified under II above was tested on the said microorganism was (b) viable 3 no longer viable	2000-08-16 3.	
IV. COND	ITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN P	ERFORMED ⁴	
v, interi	NATIONAL DEPOSITARY AUTHORITY		
Name: Address:	DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): Date: 2000-08-17	

Indicate the date of original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit or date of the transfer).

In the cases referred to in Rule 10.2(a) (ii) and (iii), refer to the most recent visibility test.

Mark with a cross the applicable box.

Fill in if the information has been requested and if the results of the test were negative.